

MODEL SC-88

ASHLY

STEREO
4-WAY
ELECTRONIC
CROSSOVER



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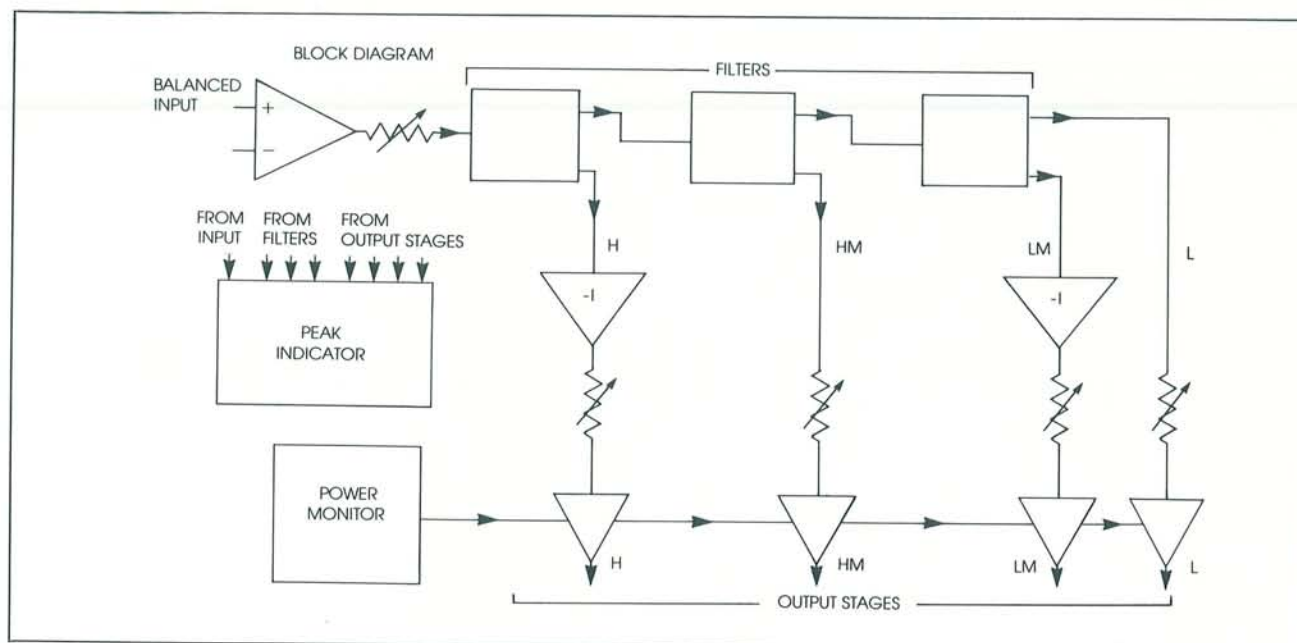
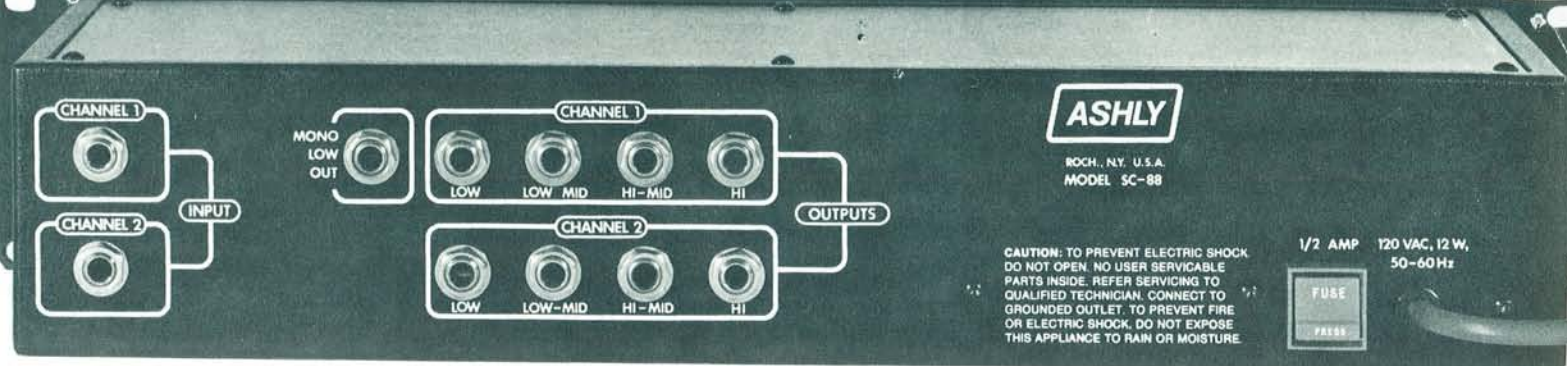
FEATURES:

- Logical control layout
- 12dB per octave slopes
- Inputs and outputs that can be used as balanced or unbalanced
- Rugged 16 gauge steel chassis
- Flat summing
- Peak overload lights
- In-phase outputs
- Our exclusive rolloff control to flatten frequency response at the crossover point
- Optional 7-way mono operation

The Ashly Audio Model SC-88 Stereo Four-Way Electronic Crossover is designed to fill the needs of modern high power sound systems. Crossover points and rolloff are continuously adjustable and individual output stages with wide range gain adjustments will drive long cable runs and accurately match any power amplifiers.

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The SC-88 uses state-variable filter circuits to perform the frequency divisions. These filters provide simultaneous low-pass and high-pass outputs. Three filters are cascaded for four-way operation. Inverters are included on alternate outputs to keep everything in-phase. A "Q" adjustment (called rolloff) is included for adjustment of frequency response in the crossover region. This allows flat summing and in-phase outputs.

The output stages have a wide range gain adjustment with a special feedback level control circuit to maintain an optimum signal-to-noise ratio at any setting.

A special electronic power monitor for the output stages prevents turn-on transients without the use of relays.

Both inputs and outputs can be used as balanced or unbalanced and a peak overload circuit monitors all critical points in the circuit to insure low-distortion operation.

SPECIFICATIONS:

Input gain:	$-\infty$ - +10dB
Crossover frequencies:	16Hz-800Hz, 160Hz-8kHz, 480Hz-24kHz
Slope:	12dB/OCT.
Rolloff:	1.5dB-12dB (crossover point depth)
Output gain:	$-\infty$ - +20dB
Input impedance:	10k Ω balanced bridging
Output impedance:	50 Ω unbalanced-terminate with 600 Ω or more
Max. in-out level:	+20dBV
Frequency response:	± 5 dB 20Hz-20kHz (within passband)
Distortion:	<.05% THD, +10dBV 20Hz-20kHz
Hum and Noise:	-90dBV
Power:	120 VAC, 50-60Hz, 5W.
Shipping Weight:	10 lbs